

Title (en)
Head for polishing machine with oscillating sector holders

Title (de)
Kopf für Poliermaschine mit oszillierenden Sektorträgern

Title (fr)
Tête pour machine polisseuse avec des porte-secteurs oscillants

Publication
EP 0571340 B1 19960313 (FR)

Application
EP 93830208 A 19930519

Priority
IT FI920112 A 19920522

Abstract (en)
[origin: EP0571340A1] Head for polishing machine with a vertical drive shaft (1) provided with a flange (2) for driving a casing (3) with several sector carriers (holders) (12) wedged onto horizontal shafts (9), in which head a first toothed wheel (4) is wedged onto the drive shaft (1) and a second toothed wheel (5) is mounted freely on this same shaft, below the first one, and which is integral with an annular cam (6) with a groove (7), a ring (14) with internal toothing, mounted freely and eccentrically with respect to the shaft (1) engaging with the said toothed wheels (4,5); in which head the shaft (9) of each sector carrier (12) is provided with a first vertical stud (15) carrying a roller (8) which is guided in the groove (7) of the said cam (6), and with a second stud (11) which is transverse with respect to the shaft (9) and extends beyond it; and in which head a ring (10) is mounted on the shaft (9) of each sector carrier (12), which ring is provided with two slits (17) with a helical track for guiding the ends of the corresponding stud (11) so that each sector carrier (12) is subjected to a reciprocating movement along its own axis (90) and, at the same time, to an oscillatory movement about the said axis (90). <IMAGE>

IPC 1-7
B24B 41/047

IPC 8 full level
B24B 41/047 (2006.01)

CPC (source: EP)
B24B 41/0475 (2013.01)

Cited by
CN112975689A; EP2322320A1; CN113510595A; EP0628381A1; EP0908271A3; CN1074971C; IT202000004387A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0571340 A1 19931124; EP 0571340 B1 19960313; AT E135276 T1 19960315; DE 69301762 D1 19960418; DE 69301762 T2 19960919; ES 2085754 T3 19960601; IT 1258733 B 19960227; IT FI920112 A0 19920522; IT FI920112 A1 19931122

DOCDB simple family (application)
EP 93830208 A 19930519; AT 93830208 T 19930519; DE 69301762 T 19930519; ES 93830208 T 19930519; IT FI920112 A 19920522